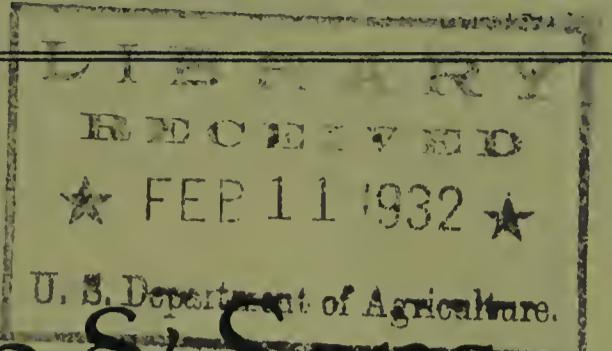


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D. A. White & Sons

Complete Catalog for 1932

Farm, Field and Garden Seeds
Poultry Supplies and Feeds
Sprays, Fertilizers, etc.

¶Forty-first Year¶



251-261 State Street
Salem, Oregon

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NOTICE

On account of the various market changes in prices, we quote subject to the following statement:

We guarantee that we will give full value for the money sent, whether the price at the time you order be higher or lower, or if the difference is very great, will notify you before shipment.

DISCLAIMER

D. A. White & Sons give no warranty, expressed or implied, as to the description, quality, productiveness, or any other matter of any seeds, bulbs or plants that they send out, and will not be in any way responsible for the crop.

Selected, Tested Vegetable Seed

ASPARAGUS

Washington. This is the new variety that has proven by government tests, possibly the finest asparagus grown. It is early, very tender and grows to a good size. For market gardeners, the best variety ever grown. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

BEANS

The following varieties, priced as follows: Postpaid, pkt. 20c; lb. 35c; not postpaid, pkt. 15c; lb. 25c.

DWARF OR BUSH, GREEN PODDED

Stringless Green Pod. The most popular variety on the market for home garden or the market. Fine for canning. Very prolific.

Stringless Refugee. An old standard variety. Fine for canning, home or market.

Giant Stringless Green Pod. This is a larger bean than the regular Stringless Bean and is becoming very popular and is worthy of being planted.

Dwarf Horticultural. A popular variety for either snapshorts or dry shell beans.

English Broad Bean or Windsor. The beans are large, broad and flat. Should be planted early and is best green shelled.

WAX PODDED BUSH BEANS

Davis White Wax. Rustless and very productive. Long yellow pods that can be used for canning, home or market.

Golden Wax. One of the most popular garden varieties. Pods are long and a beautiful golden yellow, crisp and tender.

Improved Black Wax. The earliest of all wax beans. Excellent quality.

POLE BEANS, GREEN AND WAX PODDED

Kentucky Wonder. The most popular pole bean grown. A heavy producer and lasts until frost time. Pods are very long, fleshy and deeply creased. Green in color.

Kentucky Wonder Wax. One of the finest of the large yellow podded or wax varieties.

White Crease Back. Long, slender green pods, crisp and tender.

Pole Horticultural. A very productive pole bean. Can be used as string bean, green shelled or to cook as a dry bean.

SCARLET RUNNER BEANS

Used mostly as an ornament as it is a rapid grower and has a bright scarlet bloom and produces a good shade. Postpaid, oz. 10c; 4 ozs. 20c; lb. 60c; not postpaid, oz. 5c; 4 ozs. 15c; lb. 50c.

OREGON GIANT POLE BEAN Of Superb Quality—Entirely Stringless

If you have not grown this Bean, by all means do so this season. It is a quick grower, quite early and produces the most wonderful long, plump, meaty pods that are tender, brittle and of delicious mild flavor when cooked. Pkt. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 45c.

FIELD BEANS

Lady Washington. This is one of the best varieties for this section as it matures early and is a heavy cropper. A nice, medium sized white bean that cooks quickly. Our stock is local grown. **Price, postpaid, 20c; not postpaid, lb. 10c; 100 lbs. \$7.00.**

Oregon Tree Navy. Have some choice, local grown stock that ripens early and yields well. **Postpaid, lb. 20c; not postpaid, lb. 10c; 100 lbs. \$7.00.**

Dwarf Kidney Beans. Local grown. **Postpaid, lb. 30c; not postpaid, lb. 20c.**

LIMA BEANS

Any variety at the following prices: **Postpaid, $\frac{1}{2}$ lb. 25c; lb. 40c; not postpaid, $\frac{1}{2}$ lb. 15c; lb. 30c.**

Burpee's Bush Lima. This is the favorite bush variety and is used both as a green shelled bean and a dry bean.

Large Pole Lima. A very heavy yielding bean.

Oregon Pole Lima. Ripens here and very prolific.

BEETS, TABLE VARIETIES

Improved Detroit Special Beet. Firm, crisp flesh with color the same throughout the flesh, rings usually as dark as the rest of the beet. The flesh is a deep uniform blood red color. We believe that this is the finest table and market beet ever offered on the market. **Postpaid, pkt. 10c; oz. 15c; lb. \$1.00.**

STANDARD VARIETIES

Any variety at the following prices: **Postpaid, pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 85c.**

Improved Blood Turnip. A fine table variety. Turnip shaped with deep red flesh.

Detroit Dark Red. Globe shaped, bright, rich red flesh. Fine for market or table.

Extra Early Egyptian. Very popular variety. Bright red with clear vermillion flesh.

Early Wonder. This has proven a very popular variety and especially so with market gardeners. It is of the globe type and has a rich color.

SWISS CHARD

Lucullus. The finest variety. Cultivated for its stalks and leaves which are prepared and served like asparagus. Also, becoming very popular for greens for poultry as it is more productive than kale. **Pkt. 5c and 10c; oz. 15c.**

MANGEL WURZEL, SUGAR AND STOCK BEETS

Any variety at the following prices: **Postpaid, oz. 10c; $\frac{1}{2}$ lb. 35c; 1 lb. 50c.**

Mammoth Long Red. One of the finest varieties grown. Grows very large.

Golden Tankard. A heavy producer and good for heavy soils.

New Mangel Half Sugar. Becoming very popular as it is sweeter than a regular mangel. Makes fine feed.

Danish Sludstrop. Long, reddish yellow, grows well above the ground and easy to pull. Very productive and excellent quality.

Yellow Giant Intermediate or Gate Post. Grows very large, flesh white, sweet and tender; tops bright green, small neck, easily harvested.

Sugar Beets. Flesh, white and tender, fine for table, also excellent stock feed.

BROCCOLI

St. Valentine. Producing the finest heads, immense size and excellent quality. Pkt. 10c; oz. \$1.00.

Italian Sprouting Broccoli. This variety of Broccoli is becoming very popular and is well worth growing in any garden. Pkt. 10c; oz. 60c.

BRUSSEL SPROUTS

Dwarf Improved. Very hardy and producing compact sprouts of large size and good quality. Pkt. 10c; oz. 25c.

CARROTS

White's Special Model Carrot. Chantenay type. This is the finest of all the carrots for Market Gardeners or home use. We offer a special stock that has taken many years to develop and we believe, the finest table carrot on the market at the present time. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.25.

Coreless. The finest early table variety grown. Handsome, meltingly tender and sweet. It is a half-long cylindrical carrot, blunt pointed, with a small tap root and small top. They run very uniform in shape and grow just the right size for table use. The flesh is of fine texture, entirely devoid of stringiness, coarseness and woody heart; color orange-scarlet, very attractive, delicious and sweet flavored when cooked. Pkt. 10c; oz. 20c; 4 oz. 50c; 1 lb. \$1.25.

Chantenay. The finest variety for the market or home garden. Smooth and tender. Deep orange color. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.00, postpaid.

STOCK CARROTS

The following varieties at the uniform price of pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

Danvers Half Long. The smooth handsome roots are orange color and medium length. A heavy cropper and makes fine feed.

Ox Heart. A thick carrot, five or six inches long and very blunt at the lower end. Orange color.

Long Orange. Grows to a large size. Best adapted to sandy or loose soil.

Large White Belgian. Grown for stock feeding. Very productive. Easily pulled.

Yellow Belgian. One of the best carrots for stock feeding. Very productive.

CELERY

White Plume. The leading white celery. A handsome, crisp sort, of very easy cultivation. Pkt. 10c; oz. 25c; postpaid.

Golden Self Blanching. The best celery for early market or home garden of the yellow meated kinds. Easily blanched. Pkt. 10c; oz. 50c, postpaid.

CRESS

Curled or Pepper Grass. Used as a salad dressing. Pkt. 10c; oz. 15c, postpaid.

Water Cress. Thrives only when the roots or stems are submerged in water. Leaves used as a salad. Pkt. 10c; oz. 50c.

CORN—SWEET OR TABLE VARIETIES

Postpaid, pkt. 15c; 1 lb. 30c; 10 lbs. \$2.20. Not postpaid, pkt. 10c; 1 lb. 20c.

Golden Bantam. One of the finest sweet corns grown. Very early, tender and extra sweet. Golden in color.

Improved Golden Bantam. Superior to the original Golden Bantam in quality and nearly twice the size. Nearly all ears carry 12 rows of deep rich golden yellow kernels, set close upon the cob. Do not compare this with the original strain, as it is far superior in every respect, and any gardener who places this corn on the market will command better sales and prices.

Early Minnesota. The favorite extra white variety. Fine for canning.

Oregon Evergreen. Follows the early varieties and is an excellent corn.

Stowells Evergreen. This is the most popular and best main crop sweet corn grown. Excellent quality and lasts until killed by frost. Very productive. Makes fine fodder and ensilage.

Early Market. An extra early variety with a good sized ear. A great favorite for the market and home use.

Golden Giant. It is a cross between Golden Bantam and Evergreen and retains the sweetness of the Bantam with the Evergreen qualities.

Golden Early Market, Extra Early. It is two weeks ahead of Golden Bantam, and while not quite so sweet, still the quality is ahead of other early sorts.

Country Gentleman. The white irregular kernels are long and slender.

KALE

Dwarfed Green Curled. Leaves curled and a bright green. Pkt. 10c; oz. 15c.

Tall Scotch—Green Curled. Grows about two feet high, leaves dark green, curled and wrinkled; very hardy. Pkt. 10c; oz. 15c.

Thousand Headed. Grows very large. Used mostly for stock feeding. Pkt. 5c and 10c; lb. 60c, postpaid. Not postpaid, lb. 50c.

CABBAGE SEED

All at the uniform price of, Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50, postpaid, except as noted.

Golden Acre. This is proving one of the finest of the early round head varieties and is 8 to 10 days earlier than the average variety. Head is medium size, quite round and has few outer leaves, very firm and very hardy.

Copenhagen Market. The main early round head variety.

Danish Ball Head. The finest late variety grown, either for market or home garden. Fine solid heads, medium size, round and very solid.

Early Jersey Wakefield. An old favorite, sharp, conical head. Sown both fall and spring.

Charleston Wakefield. The best known early variety.

Early Dwarf Flat Dutch. This is the favorite early, flat headed variety. Very productive.

Succession. An excellent second-early variety.

Mammoth Rock Red. Best hard-headed, red variety; fine for cold salads on account of its attractive color.

Drumhead Savoy Cabbage. Heads large size and quite compact, with densely and uniformly crimped leaves.

Late Flat Dutch. The favorite large late variety.

Late Drumhead. Has no superior for family or market in the large varieties.

Wong Bok or Chinese Cabbage. Very popular, used as a salad; sliced makes excellent cold slaw. Makes fine greens. Don't plant too early; use as a fall vegetable. Pkt. 10c; oz. 35c, postpaid.

CAULIFLOWER

Early Snowball. The most popular variety grown of the early sorts. Quality first class and good size. Price, postpaid, pkt. 15c; oz. \$1.50.

Large Algiers. A valuable late variety, of the best quality. Pkt. 10c; oz. \$1.00.

COLLARDS

Georgia. This variety is the old time favorite. Is very hardy. Pkt. 10c; oz. 15c.

FIELD CORN

EXTRA, FANCY, SELECTED STOCK

We make a specialty of Field corn and offer you the finest varieties for this coast. Uniform price of: 1b. 20c; 10 lbs. 95c; 25 lbs. \$2.10, postpaid. Not postpaid, 1b. 10c; 10 lbs. 75c; 100 lbs. market price.

Pride of Oregon. This is the best quality of Oregon grown corn and well selected. Ears are long, well filled with deep yellow kernels. Makes a fine silo corn, as it grows to a good size as well as being early.

Minnesota No. 13, Yellow Dent. This variety is a favorite of many dairymen as an ensilage corn. A heavy producer.

Leaming, Yellow Dent. One of the most popular ensilage corns as it is very productive.

Pride of the North, Yellow Dent. Grown here for many years as a silo corn and is a heavy producer.

Golden Glow. This is the corn that is winning all the prizes at the various corn shows and is an extra good variety for this valley. Our seed is Western grown.

POP CORN

White Rice. The best variety for this climate. Ripens early and is a good producer. Postpaid, 1b. 25c; not postpaid, 15c.

CRO-TOX

Crow and Pheasant Repellant. Protects seed corn, saves seed loss and replanting. Will in no way injure seed corn. Will not clog any planter; neither will it kill birds or animals. Can treat one bushel seed corn. **Per can 60c; two bushel size, \$1.00.**

CUCUMBERS

White's Special. This is the finest market and pickling variety we have ever seen. Uniform shape and a dark green color and heavy producer. Length, uniformly 8 to 10 inches. A good shipper, holding its color and firmness when shipped. Excellent for slicing. **Pkt. 10c; oz. 15c.**

The Vaughan. By far the best slicing cucumber to date for market purposes. The cucumbers are long, straight, and of even diameter. **Pkt. 10c; oz. 20c.**

Lemon Cucumber. This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor all its own. **Pkt. 10c; oz. 20c.**

The following varieties at the uniform price of: **pkt. 5c and 10c; oz. 15c; 1/4lb. 35c.**

Early Short Green or Early Frame. An excellent small variety. Fine for pickles.

Chicago Pickling. The favorite pickling variety. Very prolific.

Improved White Spine. A large, long variety that is fine for table or pickles.

Improved Long Green. The old family favorite. Always good for all purposes.

Boston Pickling. A very productive variety; extensively grown for pickles. The fruits are bright green, of medium size, smooth and symmetrical. The flesh is crisp and tender.

ENDIVES

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August, for a succession of crops; tie the leaves closely together to bleach them.

Green Curled. A standard sort for fall and winter. Pkt. 10c; oz. 15c.

White Curled. A beautiful variety with curled, mossy leaves for early use. Pkt. 10c; oz. 15c.

Broad Leaved Batavian. Has broad, thick leaves which form a large loose head Pkt. 10c; oz. 15c.

EGG PLANT

Black Beauty. An extra early, quick-growing, vigorous variety, handsome and very uniform. Color, deep blackish purple. Splendid market sort. Pkt. 10c; oz. 60c.

KOHL RABI

Early White. Best table variety. Pkt. 10c; oz. 25c.

LEEK

American Flag. The favorite variety. Pkt. 10c; oz. 25c.

LETTUCE

New York or Wonderful. The finest head lettuce grown. The immense heads are solid, heavy, beautifully bleached to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. Used by all market gardeners. Pkt. 10c; oz. 25c.

The following varieties at the uniform price of: **pkt. 5c and 10c; oz. 20c, postpaid.**

Hanson. An old standard variety that produces a fine head. White meated and crisp.

Early Prizehead. A brown tinged leaved head lettuce that is a great favorite.

Early Curled Simpson. The leading curly variety, extra crisp and tender.

May King. The leading butter lettuce. Rich and tender.

Brown Dutch. The leading brown variety. Forms a large, solid head

Grand Rapids. This is used for forcing mostly; also for outdoor planting.

Big Boston. A very large, loose headed variety, often called a butter lettuce.

Chicken Lettuce. Just the thing for Poultry Men. This Lettuce yields an immense amount of chicken or rabbit feed. It does not form a head but sends up stalks three or four feet high and when cut it immediately starts to grow again.

MUSTARD, FOR GREENS

Chinese. A very hardy, broad-leaved variety. Leaves are thick and deeply savoyed. Pkt. 10c; oz. 15c; lb. 75c.

Giant Southern Curled. Large variety forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt. 10c; oz. 15c; lb. 75c.

White English. Seed yellow and pungent, used for grinding and for flavoring pickles. Oz. 10c; lb. 50c.

A NEW MUSKMELON

Hale's Early. This wonderful new melon of the type of the Hearts of Gold is taking the market by storm. Good size, early and sweet and tender, with rich orange colored flesh. A fine shipper and unexcelled for home use or market. Pkt. 10c; oz. 20c.

MUSK MELON

Price, postpaid, pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Large Yellow Cantaloupe. The flesh is light, yellowish green, very sweet and crisp.

Burrel Gem. The favorite market variety. Orange flesh which is very deep and delicious.

Honey Dew. This is the new melon that has proven a great success. The fruit is large, green fleshed and delicious flavor.

Rocky Ford or Netted Gem. The fruit is oval, slightly ribbed, densely covered with coarse netting. Green fleshed. Fine for the market.

Green Nutmeg. An extra early variety that is fine for the home garden. Flesh green.

We also stock **Early Hackensack, Banana, Hoodoo or Hearts of Gold, and Golden Beauty Casabas.**

WATERMELON

Prices, pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.

Early Fordhook. The best early melon for this valley for home use.

Sweet Heart. An excellent melon and a good shipper for the market.

Tom Watson. A long melon that is fine for home garden or market.

Kleekly's Sweet. One of the favorite melons for this valley.

Klondike. A large red fleshed, black seeded variety.

Black-Seeded Ice Cream Watermelon. A splendid shipping melon, does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, a fine keeper. Drought-resistant, ripens early. Most luscious and handsome. If fond of watermelons, try this one. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

CITRON

Used for preserves. Pkt. 10c; oz. 20c.

ONIONS

Write for Special Prices on large orders.

Yellow Globe Danvers. A handsome globe shaped variety that commands the top price on the market. Now the principal onion grown here for the market. Pkt. 10c; oz. 20c; lb. \$1.60, postpaid.

White Globe. A pure white globe shaped variety. Flesh hard with wax-like pearl flesh. Pkt. 10c; oz. 20c; lb. \$2.00, postpaid.

White Portugal or Silverskin. Skin and flesh pure white, mild and flat shape. Pkt. 10c; oz. 20c; lb. \$1.85, postpaid.

Sweet Spanish. Mild, sweet flavor, firm meat and tender. Fine for early market and home use. Pkt. 10c; oz. 40c, postpaid.

White Bermuda. Becoming the most popular onion for early market and home use as it is tender and very sweet. Pkt. 10c; oz. 40c, postpaid.

ONION SETS

Bottom Onion Sets. Small onions grown from seed. Used for early green onions. lb., postpaid, 20c. Write for prices on larger amounts.

BERMUDA ONION PLANTS

In season during March and April. Becoming very popular as they come on the market early and can be used as a green onion or left to mature for a large onion. Market price.

PARSLEY

Double Curled. Very hardy and easy to grow. Used for flavoring and garnishing.
Pkt. 5c and 10c.

Hamburg or Turnip Rooted. A plain leafed variety forming a long, thick, edible root.
Pkt. 10c.

PARSNIP

Hollow Crown. Roots white, very tender, with smooth skin. Pkt. 5c; oz. 15c; lb. 85c, postpaid.

RHUBARB

Victoria or Mammoth. Very large, finest cooking variety. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c, postpaid.

PEDIGREED GARDEN PEAS

Our Peas are grown by one of the most reliable and largest growers in the world, who has built up a high quality of seed peas by years of selection. They are not to be compared with the average quality offered on the market.

After all, there is no substitute for Quality.

Any variety at the following prices: Postpaid, pkt. 20c; lb. 35c; 5 lbs. of one variety \$1.15. Not postpaid, pkt. 15c; lb. 25c; 5 lbs. of one variety, \$1.00.

Blue Bantam. One of the fine early varieties on the market. Grows about 15 inches high, very productive, large podded and sweet.

Little Marvel. The dwarf, bushy vines, averaging 18 inches, are loaded with firm, square-ended pods $2\frac{1}{2}$ to 3 inches long, tightly filled with plump, luscious, deep green peas. As early as American Wonder and far outyields it.

Duke's Delight. A dwarf, extra early, delicious pea of great merit. The strong, healthy vines grow about 18 inches in height. Very productive.

American Wonder. The most popular early variety grown. A great favorite for home gardens. About 12 to 15 inches in height.

Gradus. Without doubt the most popular pea for the early market or home garden. Pods are extra large and well filled with large, sweet peas.

Dwarf Telephone. The most popular second early variety now on the market and the finest, sweetest pea grown. About 20 inches in height.

Tall Telephone. The best mid season variety and a great favorite. Grown by all the market gardeners and cannot be excelled for home use. About $3\frac{1}{2}$ feet tall.

Stratagem. One of the best of the large podded sorts. About 20 inches in height.

China Peas. Cooked similar to dry beans. Very productive.

Also Notts Excelsior, Yorkshire Hero, and Everbearing Peas, at above prices.

Edible Podded, Dwarf Grey Sugar Peas. Postpaid, pkt. 30c; lb. 45c. Not postpaid, pkt. 20c; lb. 35c.

PUMPKIN

Any variety at the following prices except as noted: Pkt. 10c; oz. 15c; lb. \$1.00, postpaid.

Winter Luxury. The most popular pie pumpkin. Medium size, color golden russet, finely netted flesh.

Pie or Sugar. A fine grained variety that makes dandy pies. Skin, orange; flesh, deep yellow. Very sweet.

King of Mammoths. Grows to an enormous size. Very productive. Used for feed.

Connecticut Field. Popular for field culture and excellent for stock. Pkt. 5c; oz. 15c; lb. 75c, postpaid.

PEPPER

Pkt. 10c; oz. 50c, postpaid.

Ruby King. Very large, sweet and mild. Bright scarlet.

Large Bell. Large, mild and thick fleshed. One of the best for stuffed pickles.

Pimento. A sweet pepper with a wonderful mild flavor.

Chinese Giant. A pepper of excellent quality; very mild and popular for stuffing. Pkt. 10c; oz. 75c.

RADISH

Any variety at the following prices: Postpaid, pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.

Early Scarlet Globe. A popular variety owing to its quick growth and fine scarlet color.

Early Scarlet Turnip or Rosy Gem. Used more than any other early variety. Color bright rose carmine with white tip. Globe shaped.

White Icicle. The most popular radish on the market. A handsome, white variety, growing about five inches long. Quick growing, crisp and mild flavor.

Long Scarlet, Short Top. A dandy radish. Color, bright carmine; flesh firm, about six inches long. Fine for market.

Brightest Long Scarlet. A very showy, long scarlet radish with white tip.

French Breakfast. A popular variety for market or forcing; it is about two inches long, stump rooted, bright rose color with white tip.

Half Long Radish. Fine for market or home use.

Mammoth White China. Roots are from ten to twelve inches long, solid, crisp and tender. Best winter radish.

SUNFLOWER

Mammoth Russian. The favorite variety. Grown for ensilage, feed, etc. Lb. 15c; postpaid, 25c.

SQUASH

Zucchini (Italian Squash). It should be eaten quite young, when 3 to 6 inches long. A popular variety and is easy to grow. Pkt. 10c; oz. 20c.

Table Queen. A miniature squash growing about 7 inches long and 4 to 5 inches thick. The color is deep green contrasted with orange and red where it rests on the ground. Very sweet and fine grained and suited for home or market. Very easy to grow. It is a splendid keeper for Winter use. Pkt. 10c; oz. 20c.

Yellow Summer Crookneck. Flesh tender and good quality. Pkt. 10c; oz. 15c.

White Bush Scallop. The best summer sort for the market. Pkt. 10c; oz. 15c.

Improved Hubbard. The best seller and most popular squash; keeps through the winter. Pkt. 10c; oz. 15c; lb. \$1.25.

Banana Squash. This is a long squash that cooks up very fine with a wonderful flavor. Does extra well in this climate. Pkt. 10c; oz. 15c; lb. \$1.25.

Delicious. An extra sweet, fine grained, dry cooking squash, medium size. Fine for home use or market. Pkt. 10c; oz. 15c.

Mammoth Chile. The largest of all squashes, valuable for stock feeding. Pkt. 10c; oz. 15c; lb. \$1.25.

SALSIFY OR VEGETABLE OYSTER

Mammoth Sandwich Island. The leading tender variety. Produces a large crop of straight, smooth roots. Pkt. 10c; oz. 20c.

SPINACH

Any variety at the following prices: Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid.
Savoy. Leaves large, round and thick. One of the earliest sorts.
Prickly Winter. Hardiest variety. Must be sown in the fall. Leaves long, pointed and thick.

Long Standing. An improved variety for general use. Remains in edible condition over long period, as it is slow to go to seed.

Improved Thick Leaved. A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color, and quality when cooked. Best for market gardeners.

King of Denmark. This variety will, in time, replace all other varieties for spring planting. It is very slow to go to seed, continuing to grow and hold its fine qualities long after other varieties are gone. Early and excellent quality.

TOMATOES

Our Early Special. This is without doubt the finest Extra Early Tomato ever introduced. Deep red meat color, smooth and sweet. A wonderful tomato for this section. Pkt. 10c; oz. 50c.

Bonny Best. Highly prized by many Oregon growers. Tomatoes large, smooth and of a rich scarlet red, the color that sells quickly. Fruit thick with a small core, a profitable tomato for any purpose. Slices exceptionally well. Flesh and flavor excellent. Nearly globe shaped, slightly flattened at stem. Pkt. 10c; oz. 35c.

Improved Stone. A main crop tomato of extra fine quality and beautiful deep red color. Pkt. 10c; oz. 35c.

Chalk's Jewel. An early variety that is well adapted for this climate as it is extra early and bears throughout the season. Pkt. 10c; oz. 35c.

Sparks' Earliana. Large, smooth and early; beautiful red color. Pkt. 10c; oz. 35c.

Yellow Pear. Fruit small and globe shaped. Fine for preserves. Pkt. 10c.

Husk or Ground Cherry. Used for preserves. Pkt. 10c.

John Baer. An early, bright scarlet tomato that does exceedingly well here. Large, smooth and fine color. Thick meat. Pkt. 10c; oz. 35c.

Marglobe. A new variety developed by U. S. Dept. of Agr. Is very wilt resistant and is resistant to all head rust. Scarlet flesh and solid. Pkt. 10c; oz. 35c.

New Burbank. This is a rich red tomato with solid meat and very little seed contents. Very early and fine for home use or canning. Pkt. 10c; oz. 50c.

TOBACCO

Connecticut Seed Leaf. Best adapted for general use. Pkt. 10c.

TURNIPS

Any variety at the following prices: Postpaid, pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c; not postpaid, lb. 50c, except when noted.

Early Purple Top, Strap Leaved. Flat in shape. The leading white variety; one of the best for all purposes.

Purple Top, White Globe. The favorite variety. Excellent quality.

Yellow Aberdeen. Round, medium size, light yellow.

Cow Corn. Grows half out of the ground and is a rapid grower. Immense yielder.

White's Special Market White Globe Turnip. With purple top. This is a special strain that has been developed and is the finest market variety grown. Oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 75c.

White Milan. A small white variety, very tender and sweet. A dandy table variety. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.

Orange Jelly or Golden Ball. A globe shaped, yellow variety, with firm and crisp yellow flesh. A very fine table variety. Oz. 15c; lb. 65c.

White Egg. Is excellent flavor, clear white, sweet and mild. Oz. 15c; lb. 65c.

Yellow Bortfelder. A heavy cropping, long-keeping variety, and very popular as a dairy feed. We have the very best Danish grown seed. Oz. 15c; lb. 75c, postpaid.

RUTA BAGA

American Purple Top. Grows to a large size and produces an immense crop. Oz. 15c; lb. 60c.

Sweet Russian. Most excellent for table and stock. Sweet and rich.

VEGETABLE PLANTS AND ROOTS

We handle the output of several large growers and can furnish fine plants during the season. We do not name the various named varieties that we handle, as it varies with the seasons, but will be glad to send you a list at any time when you are ready to plant.

For those wanting large lots, write for special prices, stating quantity wanted.

During the season, we handle Cabbage, Tomato, Cauliflower, Kale, Broccoli, Pepper, and various other garden plants and would be glad to quote prices at any time.

SEED POTATOES

Write for Prices

Burbanks. One of the best varieties grown in the Northwest and a favorite market variety.

Earliest of All. Without doubt, the earliest variety on the market. White in color and cooks fine.

Early Rose. A favorite variety and well known for many years.

Early Ohio. One of the finest of all the early potatoes; a very heavy yelder on nearly all types of land.

Early White Rose. This is a very heavy producer; large, round, smooth, white potato. Also other varieties if available.

NASTURTIUM

Fancy Climbing Varieties. A fine selection of the different climbing varieties in assorted colors all mixed together. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c, postpaid.

Fancy Dwarf Nasturtiums. A fine mixture of choice varieties and colors. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c, postpaid.

FLOWER SEEDS

We carry a fine selection of all the leading varieties of flower seeds. Just order whatever variety you want and we will send it promptly.

All the varieties with a few exceptions are 10c per pkt., postpaid. On account of lack of space in catalogue we do not find it profitable to catalogue a flower list but we carry a very large stock.

SPENCER SWEET PEAS

We offer you a wonderful selection of the finest Spencer Sweet Peas in the various colors and shades. Our Sweet Peas are grown especially for us by the best growers and are the best to be obtained.

All of the following Special Varieties at 10c per pkt; 25c per oz., postpaid.

Miss California. A dandy shade of Orange-Salmon or cream pink.

Crimson King. A profuse bloomer, entirely free from sunburn.

Camp Fire. The finest Scarlet grown, sun proof.

The Sultan. Glossy, black maroon, with a trace of violet.

Youth. White with margin of pink. Very fragrant.

King White Spencer. A pure white flower of enormous size, beautifully fluted and crinkled.

King Edward Spencer. Bright crimson scarlet, largest size, wavy standards.

Helen Lewis. A beautiful orange pink. One of the finest Spencers.

Margaret Atlee. A rose-salmon pink, on a creamy rich buff ground, soft color and extremely attractive, both as individual flowers and in the bunch.

R. F. Felton. An extra large lavender and very rich color.

Asta Ohn. One of the finest lavenders.

Royal Purple. The nearest true purple sweet pea grown. Often called Elk's Purple.

Illuminator. Possibly the most popular and finest sweet pea grown. A wonderful salmon orange color.

Mary Pickford. A beautiful dainty cream pink with just a trace of salmon pink.

Hebe. Large flowers. A warm rosy pink.

Austin Frederich. Improved. The finest pure lavender.

Dobbie's Cream. The truest cream colored sweet pea on the market.

Orchid. A beautiful new shade of orchid.

Mrs. Tom Jones. A new blue of extra fine quality.

Fiery Cross. One of the finest of the scarlet shades.

Glorisa. One of the finest of the new varieties. A fiery, orange scarlet.

Barbara. One of the most popular Bright Salmon colors.

Our Superb Mixture. True Spencers only. A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color, containing the most beautiful shades and varieties of the wonderful Spencer type. These are not seedlings, but carefully selected named varieties that retain all their purity and brilliancy of color. Pkt. 10c; oz. 25c; 4 oz. 65c; 1b. \$2.25.

FIELD SEEDS

The following prices are the market prices of today and are subject to market changes. When ready to buy, write us for prices, stating quantity wanted and we will quote you the market price at that time. Or, send in your order based on the following prices and we will guarantee that we will give you full value for money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipping.

We make a specialty of High Grade, Recleaned, Tested Seeds and Grains and we believe that the quality we are offering is the best that can be obtained on the market.

If wanted by parcel post, add regular parcel post rates, according to zone distance from Salem.

Quantity prices are as follows: 1 to 9 lbs. at 1b. price; 10 to 24 lbs. at 10 lb. price; 25 to 49 lbs. at 25 lb. price; 50 lbs. or more at 100 lb. price.

RED CLOVER

Extra Fancy Quality

We are in a position to offer you the finest Western grown Red Clover that is obtainable on the market. Located in the heart of the growing section, we select the finest lots for our retail trade.

Red Clover is the standard clover for all purposes. Hardy and thrives well on nearly all kinds of land. Makes superior hay or pasture. Lb., postpaid, 25c; 10 lbs., postpaid, \$1.75. Not postpaid, lb. 20c; 25 lb. lots at 15c per lb; 50 lbs. or more at 14c per lb.

MAMMOTH RED CLOVER

This is an extra large growing clover, similar to Medium Red Clover. Foliage and seed the same only grows coarser and larger. Lb. postpaid, 35c; 10 lbs. postpaid, \$3.15; Not postpaid, lb. 20c; 25 lb. lots at 18c per lb.

ALSIKE CLOVER

Excellent for hay or pasture. Grows on land too wet for other clovers. Lb. postpaid, 30c; 10 lbs. postpaid, \$1.75. Not postpaid, lb. 20c; 25 lb. lots at 15c per lb; 50 lb. lots or more at 14c per lb.

SWEET CLOVER, WHITE BLOSSOM

Used mostly for pastures and cover crop to plow under. Makes a great deal of pasture as it is a very fast growing plant. Lb. postpaid, 30c; not postpaid, lb. 20c; 25 lb. lots at 16c per lb; 50 lb. lots or more at 15c per lb.

SWEET CLOVER, YELLOW BLOSSOM

Grows similar to White Blossom but not quite as large or coarse. Lb. postpaid, 30c; not postpaid, lb. 20c; 25 lb. lots at 17c per lb; 50 lb. lots or more at 16c per lb.

OHIO STRAIN HARDY RED CLOVER

This is the new strain of Hardy Red Clover that was introduced by the Oregon State College two years ago in order to secure seed that would be satisfactory to the Eastern section of the United States.

We have selected some of the very lots for our retail trade and quote as follows: Lb. postpaid, 30c; 10 lbs. \$1.85. Lb. not postpaid, 20c; 10 lbs. \$1.70. Write for prices on larger lots.

LADINO WHITE CLOVER

This new Mammoth White Clover has proven a wonderful pasture clover. Grows nearly any kind of soil, easy to catch crop and a great producer. Several times as large as common White Clover and has the same valuable feeding qualities. Fancy recleaned seed. 65c per lb., postpaid. Write for prices on large lots. Certified Seed, 75c per lb., postpaid.

MIXED WHITE AND ALSIKE CLOVER

This is a good clean mixture to sow for pasture purposes. Lb., postpaid, 35c; not postpaid, 10 lbs. \$2.75; 25 lb. lots at 26c per lb; 50 lb. lots or more at 25c per lb.

CRIMSON CLOVER

Highly recommended for pasture and cover crops. A thrifty annual growing from 20 to 30 inches high. Lb. postpaid, 30c; not postpaid, lb. 20c. Write for prices on large lots.

BURR CLOVER

Used for pastures and cover crops. Lb. postpaid, 30c; not postpaid, lb. 20c; 25 lb. lots at 17c per lb.; 50 lb. lots at 15c per lb.

WHITE CLOVER

Used for lawns and pastures.

Fancy grade, for lawns. Lb. 60c; postpaid, 70c.

Pasture grade. Lb. 40c; postpaid, 50c.

Write for prices on large lots.

GRASS SEEDS

English Rye Grass. Perennial variety. Sown mainly for permanent pastures as it lasts for several years. Also, makes a fair lawn when sown thick. Lb. postpaid, 20c; not postpaid, lb. 15c; 10 lbs. \$1.00; 50 lbs. \$4.00.

Italian Rye Grass. Fancy domestic stock. Grown both for seed purposes and pastures. An annual. Lb. postpaid, 20c; not postpaid, lb. 10c; 100 lbs. \$4.00. Choice stock, used for burns and pastures, \$3.00 per 100 lbs.

Sudan Grass. This should be sown late in the spring or early summer and produces an immense amount of green feed until frost time. Used for cattle, sheep, hogs, etc. Solves the question of green feed during the hot summer months as that is when it does the best and makes the largest growth. Lb. postpaid, 25c; not postpaid, lb. 15c; 10 lbs. \$1.25. Write for prices on large lots.

Orchard Grass. Possibly the most valuable of all the grasses for all kinds of land, especially hills. Makes a great pasture. Lb. postpaid, 30c; not postpaid, lb. 20c; 25 lb. lots or more at 16c per lb. Write for quantity prices.

Red Top. Fancy Hulled Seed. Used for pastures, especially valuable for wet land. Also makes a very good lawn. **Lb. postpaid, 35c; not postpaid, lb. 25c; 25 lb. or more at 20c per lb.**

Meadow Fescue. A hardy perennial grass. Used for pasture and also for lawns. **Lb. postpaid, 30c; not postpaid, lb. 20c; 25 lb. lots at 18c per lb.**

Sheep Fescue. Does well on dry, poor, shallow or sandy soils. **Lb. postpaid, 45c. Not postpaid, lb. 40c; 25 lb. lots at 32c per lb.**

Tall Meadow Oat Grass. This grass is proving itself as a great pasture grass, both in the valley and along the coast. The demand has increased many times within the last few years as it has proven that it will stand heavy pasturing. **Lb. postpaid, 35c. Not postpaid, lb. 30c; 25 lb. lots at 25c per lb.; 50 lbs. or more at 22c per lb.**

Bermuda Grass. Used extensively in the South for pastures and lawns. **Lb. 35c.**

Winter Blue Grass. (Poa Bulbosa.) On certain types of soil this has proven a wonderful winter pasture. Grows only in the fall, winter and spring and then becomes dormant. A heavy cropper of excellent grass, rich in feed value. **Lb. postpaid, 60c; 10 lbs. \$5.00; 50 lbs. or more at 40c per lb.**

PASTURE MIXTURE

This is a mixture of Rye Grasses, Timothy, Mesquite, Clovers, etc., for pasture purposes. Good on burned and logged-off lands. **Lb. postpaid, 25c; not postpaid, 10c; 100 lbs. \$6.00.**

Low Land Pasture Mixture. A special mixture suitable for low and wet lands. **Lb. postpaid, 20c; not postpaid, 10c; 100 lbs. \$5.00.**

High Land Pasture Mixture. A mixture adapted for the hills and higher lands of western Oregon. **Lb. postpaid, 20c; not postpaid, 15c. 100 lbs. \$8.00.**

Burn Mixture. This is a cheaper mixture for rough land and is only recommended for land not suitable for cultivation but still can be used for pasture. **\$5.00 per 100 lbs.**

REID'S CANARY GRASS

This is that wonderful grass that has been grown in Coos County and is the greatest producer for wet land we have seen for pasture. **Price, per lb. 75c, postpaid.**

Mesquite. This grass is very popular for sowing on rocky and hilly soil, on wet lands and as a pasture grass on logged-off and burnt over lands. Comes very early in both spring and fall and produces very heavy. Fancy seed. **Lb. postpaid, 30c; not postpaid, lb. 20c; 25 lb. lots at 18c per lb.; 50 lbs. or more at 16c per lb.**

Millet. On some lands that are sandy and warm, millet has been a productive crop. Used mostly for hay and poultry feeding when threshed. **Write for prices and varieties.**

Timothy. Used very extensively for hay and pasture. **Lb. 15c; postpaid, 25c; 10 lbs. \$1.25; postpaid, \$1.40; 50 lbs. or more at 10c per lb., not postpaid.**

LAWN GRASSES

OUR SPECIAL LAWN GRASS MIXTURE

This is a very fine mixture of high grade lawn grasses and extra fancy white clover seed. Contains Bent Grass, Kentucky Blue Grass, Fescues, and several other grasses as well as white clover. Some of the finest lawns in Salem have been seeded with this mixture. **Price, per lb. 60c; postpaid, 70c.**

FANCY LAWN GRASS

In our Fancy Mixed Lawn Grass Seed we have the proper proportions of the various grasses that go to make a beautiful lawn.

The seeds that go into this mixture are all tested and recleaned in first-class shape and are the best quality on the market. **Price, per lb. 50c; postpaid, 60c per lb.**

SHADY NOOK LAWN GRASS

This is a mixture that has been selected to grow in shady places and gives the best of results. All seeds are of the best quality that are used in this mixture and make a nice velvety lawn. **Per lb. 50c; postpaid, 60c lb.**

FANCY WHITE CLOVER

We handle only the finest white clover on the market. We have a very large trade on this seed and import direct from Europe, where the finest seed is grown. **Lb. 60c; postpaid 70c. Special prices on large lots.**

KENTUCKY BLUE GRASS

Still the great favorite for lawns. More of this grass is used for lawns than any other grass on the market. **Lb. 40c; postpaid, 50c.**

FANCY RED TOP

Used a great deal for lawns, especially in mixtures. **Lb. 40c; postpaid, 50c.**

MEADOW FESCUE

This makes a very nice lawn and is very hardy and makes a good sod. Our seed is extra good quality. **Lb. 20c; postpaid, 30c;**

CHEWINGS FESCUE

This makes a wonderful sod and is used in shady places and under trees, etc. Makes a very fine lawn either alone or with other grasses. **Lb. 50c; postpaid, 60c.**

CREEPING FESCUE

This is the finest of the Fescue Grasses and makes a wonderful lawn. We have genuine creeping fescue. **Lb., postpaid, 85c per lb.**

SEASIDE OR COOS CREEPING BENT GRASS

This is the best of all the Bent Grasses and is used for lawns, parks and golf courses. It is grown in Oregon and shipped all over the U. S. and the demand is becoming very large. Our seed is certified by the Seed Department of Oregon State College. **Postpaid, \$1.25 per lb. Special prices on large lots.**

ASTORIA CREEPING BENT GRASS

Some think that this is the best of the Bent grasses as it spreads from the roots and is an underground creeper. Our stock is certified. **Postpaid, \$1.25 per lb. Special prices on large lots.**

GERMAN BENT GRASS

This is the imported seed from Germany and makes a beautiful lawn or park. **Postpaid, \$1.10 per lb.**

COLONIAL BENT GRASS

We import this from New Zealand and it is of extra fine quality and very clean seed **Postpaid, \$1.10 per lb.**

Poa Trivalis. This is possibly the finest of all the grasses for shady places as it seems to be adapted for heavy shade. Makes a fine lawn. **Lb., postpaid, 85c.**

NITRAGIN

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INOCULATE!

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NITRAGIN

ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, Austrian Winter Peas,

For Clovers and Alfalfa. $\frac{1}{4}$ bu. pkg. 40c; $\frac{1}{2}$ bu. pkg. 60c; 1 bu. pkg. \$1.00; 5 bu. pkg. \$4.75.

For Vetch, Garden Peas and Field Peas. $\frac{1}{2}$ bu. size, 40c; 1 bu. size 60c; 100 lb. size, 90c; 300 lb. size \$2.50.

Garden Package. For Peas, Sweet Peas, and Beans. 25c each.

All prices F. O. B. Salem, Oregon.

ALWAYS STATE THE KIND OF SEEDS THAT YOU ARE GOING TO TREAT, as each kind takes a different inoculation.

ALFALFA SEED

Alfalfa has proven a successful crop in Western Oregon as well as Eastern Oregon and many acres have been planted the last few years.

Used both as a pasture and being cut for hay. Some very fine results are reported.

We buy only the very finest qualities as it does not pay to buy inferior alfalfa seed.

Common Alfalfa. We have found that the Idaho grown seed does the best in Western Oregon, and have the best stock obtainable. **Price, lb., postpaid, 30c; not postpaid, lb. 25c; 10 lbs. \$2.00; 100 lbs. \$16.50. Subject to market changes.**

Certified Grimm Alfalfa. Grimm alfalfa seems to be the best variety for this section and to be sure of getting genuine Grimm Alfalfa it is best to buy the Certified seed. Our stock is certified by the Seed Department of the State of Idaho and is of extra fancy quality. We carry both Blue Tag and White Tag grades.

Blue Tag. 99½ per cent pure or better. **Lb., postpaid, 40c; 10 lbs., postpaid, \$3.25; not postpaid, lb. 30c; 10 lbs. \$2.65; 50 lbs. or more at 25c per lb.**

White Tag. Deduct 2c per lb. from above prices on Blue Tag.

Standard Grimm. Extra Fancy. This seed comes from reliable growers and tests as high in purity and germination as Certified, but might contain a trace of sweet clover or common alfalfa seed. **Lb., postpaid, 35c; 10 lbs. \$2.50; not postpaid, lb. 30c; 10 lbs. \$2.40; 50 lbs. or more at 22c per lb.**

DWARF ESSEX RAPE

The English Broad Leaved Rape or Holland Rape makes far more feed than the common rape. It grows larger and is a faster grower.

Those who have planted it the last few years will not accept any other varieties. We import out stock direct from Holland so that you are sure of getting genuine seed. Makes a wonderful pasture in this valley. **Price, postpaid, 25c per lb. Not postpaid, lb. 15c; 10 lbs. \$1.00; 50 lbs. or more 8c per lb.**

Domestic Grown. **Lb. 10c; 25 lbs. 7c lb.; 50 lbs. or more at 6c per lb.**

SOILTEX TEST FOR ACID SOIL

Tells how much lime your soil requires. Very easy to use and accurate and inexpensive. enough for about 50 tests in one package.
\$1.00 per package, postpaid.

SEED GRAINS

Write for prices when in the market.

Marquis Spring Wheat. The heaviest yielding spring wheat grown in the Northwest. Heads are beardless, chaff smooth and kernel dark amber in color. Very heavy and grades as hard wheat.

Kinney Wheat. An old standard wheat that has been grown for years here and always produces a good crop. May be sown either fall or spring.

White Winter Wheat. This is the favorite variety for this section of the valley especially for the prairie and lower lands. Planted in fall and early winter.

White Holland Wheat. This variety is becoming very popular and has proven a very good variety. Plant in fall and early winter.

Red Oats. This variety is becoming more popular each year and is a good yielder and makes a first class hay. Sow in late spring.

Kanato Oats. This oat has proven satisfactory for certain types of soil. A heavy yielder and produces a good grain, also good hay. Sow both fall and spring.

Black Spring Oats. A very heavy producer on certain types of soil.

White Hulless Oats. Sow in the spring about April or early May. Produces a heavy oat without a hull. Fine feed. **Lb. postpaid, 15c; not postpaid, 100 lbs. \$4.00.**

Gray Oats. Sown both fall and early spring and the standard oat for this valley and western Washington and Oregon.

White Oats. Have some very choice seed oats of this well known variety, clean and fine quality.

Spring Rye. Makes a good crop sown in the spring.

Fall Rye. Always makes a crop and can be sown on poor land that will not raise other grain. Makes an abundance of pasture and green feed and also a fine cover crop for orchards and berries.

Hanchean Spring Barley. Usually does best on light land but is grown nearly everywhere.

Fall Barley. Barley is being planted in the fall and has proven very productive. The acreage has increased several hundred per cent the last year and farmers are well satisfied with the results.

Trebi Barley. A six row barely that is a heavy producer.

Cheat Seed. Recleaned. This is used as a hay crop especially on wet lands and when cut and taken care of at the right time makes a good hay.

Canada Field Peas. Field peas are becoming more popular every year. They make a good hay; make a great hog feed and are used for silos.

Austrian Peas. This is the new variety that is being sown in the valley the past few years. Makes an immense amount of hay or green feed. Also a fine ensilage. Also used as a cover crop and from tests made is possibly the finest of all the cover crops as it carries more nitrogen than any other plant so used.

VETCHES

Write for Prices

Oregon Vetch (Common Vetch). One of the best forage plants grown on the Pacific Coast. It furnishes an abundance of green, makes a fine hay; used for silos, pasture, and is unexcelled as a cover crop.

Hungarian Vetch. It seems to be adapted for land too heavy and wet for common vetch; is aphid proof; seems to stand more freezing than other vetches and is very productive.

Sand or Hairy Vetch. This thrives on poor, arid, sandy soil, but will grow anywhere. Is a winter vetch and should be planted in fall when to be cut for crop or seed. Can be seeded in spring for pasture.

Vetch and Oats. This is a mixture prepared for hay and is the usual mixture sown in this valley. Consists of recleaned grey winter oats and Oregon vetch.

Purple Vetch. This is used as a cover crop only.

BEE SUPPLIES

HIVES AND SUPERS

8 Frame Hive. 1 story, with brood frames, top and bottom. **Each, nailed, \$2.50;**
Case of Five, K. D., \$9.50.

8 Frame Hive. 1½ story, with brood frames, super, top and bottom, no sections or foundations, **Each, \$3.50; Case of five, K. D., \$13.00.**

8 Frame Hive. 1½ story, same as above with sections and foundation. **Each, \$4.00;**
Case of five, K. D., \$16.00.

8 Frame Hive. Body only, no top or bottom, empty. **Each, nailed, \$1.00; Case of five, K. D., \$4.00.**

8 Frame Hive. Body, with brood frames, no top or bottom. **Each, \$1.50; Case of five, K. D., \$6.00.**

10 Frame Hive. 1 story, with brood frames, top and bottom. **Each, nailed, \$2.75;**
Case of five, K. D., \$10.50.

10 Frame Hive. 1½ story, with brood frames, super, top and bottom, no sections or foundation. **Each, \$3.75; Case of five, K. D., \$15.00.**

10 Frame Hive. 1½ story, same as above with sections and foundation. **Each, nailed, \$4.25; Case of five, K. D., \$18.00.**

10 Frame Hive. With Extracting Supers, 1½ story, with brood frames, extracting frames, top and bottom, no foundation. **\$3.75.**

10 Frame Hive. Body only, empty, no top or bottom. **Each, nailed, \$1.10; Case of five, K. D., \$4.50.**

10 Frame Hive. Body with brood frames, no top or bottom. **Each, \$1.75; Case of five, K. D., \$6.50.**

8 Frame Supers. No sections or foundations but with section holders. **Each \$1.00; Case of five, K. D., \$4.50.**

8 Frame Supers. With sections and one sheet foundation. **Each, \$1.40; Case of five, K. D., \$6.50.**

10 Frame Supers. No sections or foundation, with section holders. **Each, \$1.10; Case of five, K. D., \$5.00.**

10 Frame Supers. With section holders, sections and one sheet foundation. **\$1.50; Case of five, K. D., \$7.00.**

8 Frame Extracting Super. With extracting frames. **Each, \$1.00; Case of five, K. D., \$4.50.**

10 Frame Extracting Super. With extracting frames. **Each, \$1.10; Case of five, K. D., \$5.00.**

8 Frame Cover. **Each 65c.**

10 Frame Covers. **Each 70c.**

8 Frame Bottoms. **Each 60c.**

10 Frame Bottoms. **Each, 65c.**

All hives and supers are made from the finest cedar and are dovetailed. The mill work is extra good and by far the best line we have been able to find on the market, regardless of price. You may be able to buy cheaper hives and supers but you will find it will pay to buy the best as they last much longer than the average stock.

SECTION HONEY BOXES

Our No. 1 Sections are made of the choicest white basswood lumber and are perfect in finish, and free from defects. They are not all snow white, but vary from that to a light cream color. Choice honey shows to best advantage in a section not too white, as it is the honey rather than the wood that the consumer looks to. **100, \$1.40; 500, \$6.25.**

SECTION HOLDERS

Six sections holder, with separators, one follower and wedge, are put in each super, and each holder holds four 1-lb. honey boxes. The bottom strip is $\frac{1}{4}$ -inch thick, and is cut to fit in sets of sections, $1\frac{7}{8} \times 8\frac{1}{2}$ inches, slotted. **Each, 6c; 100, \$4.50.**

COMB FOUNDATION

Packed in 1, 2, 3, and 5-pound paper boxes, of 25 pounds in a case. Light standard brood grade, 6 to 7 square feet per lb. **Price per lb. 65c.** Light section grade 11 to 12 square feet per lb. **Price per lb. 75c.** If foundation is wanted by mail, add 8c per lb. up to two lbs., and 2c per lb. over 2 lbs.

HOFFMAN BROOD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames out. The top bar is made with a beveled strip which holds the foundation absolutely in place, perfectly straight and exactly in center of top bar. Anyone can put foundation in these new frames very rapidly. **Price Hoffman Frames, per 10, 75c; per 100, \$5.50.**

Extracting Frames. For extracting supers. **Per 10, 75c; per 100, \$5.50.**

SEPARATORS

One separator should always be placed between each section holder so that the bees will build the honey comb even in each section. Slotted wood separator, $4\frac{1}{2} \times 18$, **per doz. 20c; per 100, \$1.25.**

BEE VEILS

Hat Veils. These veils have a rubber band around the top so as to fit the hat snugly. The lower end is bound, to prevent fraying. The kinds of material are given below. **Price list, postpaid:** No. 3 Veil, cotton tulle throughout, \$1.00. Alexander Veils, each \$1.25. Mosquito Bar Veils, 75c each, postpaid.

BEE ENTRANCE GUARDS

Root's or Tinker's. These are to admit workers and exclude drones. After the drones are all out, fix the guards over the entrance, and at night the drones can be destroyed. **Price, 35c; by mail, 45c.**

TINNED WIRE

No. 30. $\frac{1}{4}$ lb. spool, 25c; postpaid, 30c; $\frac{1}{2}$ spool, 40c; postpaid, 50c.

BEE SMOKERS

Standard Smoker. It is neat in appearance and does not topple over easy. Makes a good strong blast, with little work. Very substantial. **Price, Standard, 3 $\frac{1}{4}$ inch, \$1.35; by mail, \$1.45.**

Jumbo Smoker. A larger size, \$1.75 each; by mail, \$1.85.

SPUR WIRE EMBEDDERS

Very convenient in putting in wire. **Each 40c, postpaid.**

PARKER FOUNDATION FASTENERS

Holds the sections in place when putting in foundations. **Each 50c; postpaid, 55c.**

ZINC HONEY BOARDS

No. 11, 8 frame, unbound, 45c; postpaid, 50c.

No. 1, 10 frame, unbound, 50c; postpaid, 55c.

PORTER BEE ESCAPES

The best on the market. **Each, 25c, unbound.**

BEE ENTRANCE GUARDS

Zinc front, 8 frame. **Each, 40c, postpaid.**

DRONE TRAPS

Alley's Improved. 8 frame. **Each, \$1.00, postpaid; 10 frame, each \$1.10.**

BOARDMAN'S FEEDERS

To be used with Mason jar. **Price, without jar, 35c each, postpaid.**

HIGH GRADE FERTILIZERS

You will find it profitable to use a good fertilizer for whatever crop you may be growing. Prices are given only on bag lots. Write for prices on larger lots.

SWIFT'S RED STEER BRAND FERTILIZERS

Red Steer—3-10-7, 100 lb. bags, \$2.50 each. For small berries.

2-14-4, 100 lb. bags, \$2.35 each. Corn and gardens.

5-7-8, 100 lb. bags, \$2.75 each. For potatoes and root crops.

6-10-4, 100 lb. bags, \$3.00 each. For fruit trees, etc.

Nitrate of Soda. A very popular way to supply nitrogen. **25 lbs. \$1.00; 100 lbs. \$3.00.**

Muriate of Potash. Used especially on onions and potatoes and for fruit. **25 lbs. \$1.00; 100 lbs. \$3.00.**

Acid or Superphosphate. Valuable on fruits and berries as it improves the color and shipping qualities. Also, increases the yields of grain and corn. **25 lbs. 75c; 125 lb. bags, \$1.50 each.**

Sulphate of Ammonia. A wonderful quick acting fertilizer for lawns, gardens, flowers, fruit, etc. Kills weeds. **25 lbs. \$1.00; 100 lbs. \$2.50.**

Pure Bone Meal. A slow acting fertilizer that is one of the best to use for continued growth. **25 lbs. \$1.00; 100 lbs. \$2.50.**

Sheep Guano. We have some very nice clean Guano, free of chaff and dirt. **100 lbs. \$1.00.**

Hydrated Lime. A quick acting lime that sweetens the soil. **50 lb. bags, 75c each.**

Ground Lime Rock. Pure, ground lime rock, a slow acting lime. **60c per 100 lbs.**

Land Plaster. Increases the yield of clover, alfalfa, vetch, corn, potatoes, etc. **100 lbs. 75c.**

MORECROP FERTILIZERS

Morecrop Lawn. A quick acting fertilizer that gives immediate results. **50 lb. bags, \$1.75 each.**

Morecrop King, 3-10-7. A good general purpose fertilizer. **100 lb. bags \$3.00 each.**

Morecrop Lux, 5-6-8. Fine for lawns, fruits, gardens, etc. **100 lb. bags, \$3.25 each.**

More crop for Gardens and Flowers. Small pkg. 35c; large pkg. 65c.

Diamond Plant Food. Fine for house plants, ferns, etc. **½lb. pkg. 25c; 1 lb. 40c.**

RED ROOSTER FERTILIZER

This fertilizer is wonderful to use around shrubbery, flowers and on lawns. **100 lb. bag, \$1.50 each.**

SPRAY MATERIAL

All prices subject to market changes.

Arsenate of Lead. Dry Powdered. **Lb. ½ pkg. 20c; 1 lb. pkg. 35c; 4 lb. pkg. 60c; 6 lb. pkg. 90c.** Special price on large lots. Cannot be sent by mail.

Bordo Spray. Prepared to use, just add the water. **Lb. pkg. 30c; 4 lb. pkg. 50c.** Special prices on larger quantities. Cannot be mailed.

Calcium Arsenate. **1 lb. pkg. 35c; 4 lb. pkg. 65c.** Cannot be mailed.

Paris Green. **1 lb. pkg. 45c.** Cannot be mailed.

Bluestone. **Lb. 10c; 14 lbs. \$1.00; 25 lbs. at 6c per lb.** Special prices on larger lots.

Liquid Lime and Sulphur Spray. **50 ga. bbls. \$9.00 each.**

Dry Lime and Sulphur Spray. **Lb. cans, 30c; 5 lb. can, \$1.15; 12½ lb. pkg. \$1.35 each.** Special prices on large lots.

Sulphur, Triangle Brand. For spray, etc. **Lb. 5c; 25 lbs. \$1.00; 100 lb. bag, \$3.00.**

Sulphur, Pearl Brand. For fertilizer. **100 lb. bags, \$3.00.**

Dusting Sulphur. Made especially for dusting. **100 lb. bag, \$4.00.**

Casein Spreader. Carry several brands. **20c per lb.**

ORCHARD SUPPLIES

Rosin. **Lb. 10c; 25 lbs. at 8c per lb.; large lots at market price.**

Tree Paint. **1 qt. can, 75c; half gallon can, \$1.25; gallon can \$2.00.**

Tree Tanglefoot. **1 lb. can, 60c; 5 lb. cans, \$2.75; 10 lb. cans, \$5.25.**

Beeswax. **Lb. 40c.**

Para-Dichloro-Benzene. The only sure kill for fruit tree borers. **5 lb. can, \$1.50; 10 lb. can, \$2.80; 25 lb. cans, \$6.50; 50 lbs. \$12.00; 100 lbs. \$22.00; 200 lbs. \$40.00.**

Lime. Handle a very high grade lime for making spray, white wash, etc. **Per lb. 3c; 100 lbs. \$2.25; bbl. \$3.50.**

GRAFTING WAX

It is manufactured from the very best of materials.

Prices are as follows: $\frac{1}{2}$ lb. bars, 35c; postpaid, 45c; 1 lb. bars, 50c; postpaid, 60c; Special prices on large lots.

TREE SEAL

Protection that endures.

A grafting or pruning compound. This compound is giving wonderful results and is very easy to apply. Does not crack and is used cold. **Pint can, 35c; qt. can, 60c; 1 gal. can, \$1.80. Postage extra.**

COPPER CARB.

Used to treat wheat for smut. **35c per lb. Cannot be mailed.**

PRUNING COMPOUND

Used when pruning or cutting off limbs. Applied to deep cuts, cracks, etc. Will prevent rot and decay. **Qt. can, 75c; 1 gal can, \$2.25.**

GARDEN INSECTICIDES

N. S. P. Complete Dust. For garden use for controlling sucking insects, chewing insects and fungus. **1 lb. can, 50c; 5 lb. can, \$2.00. Cannot be mailed.**

QUA-SUL SPRAY

This is the best spray we know of on the market for any Fungus on plants, rose bushes, etc. **Bottle, 25c; 8 oz. can, 50c; qt. can, \$1.00.**

APHIDO SPRAY

Kills aphid, red spider, leaf hoppers, spittle bugs, thrips, cabbage worms, ants, ear-wigs, etc. **Oz. bottle, 35c; 8 oz. bottle, \$1.25.**



EVERGREEN SPRAY

A non-poisonous insecticide. Harmless to man, birds and animals. Kills cut worms, ants, plant lice, melon bugs, striped beetle and aphid. Also used by nearly all the greenhouses. **1 1/2 oz. bottle, 35c; postpaid, 40c; 6 oz. bottle, \$1.00; postpaid, \$1.10; 16 oz. \$2.00; postpaid, \$2.15; 32 oz. \$3.50 each; postpaid, \$3.65; 1 gal. \$9.00 each.**

SNAROL

A prepared mash mixture to scatter around plants for killing slugs, cut worms, ear wigs, grass hoppers, etc. **Small pkg. 35c; large pkg. 75c. Cannot be mailed.**

ANTROL

Kills ants. **Set of 4 containers and 4 oz. bottle of poison, each 85c. Cannot be mailed.**

TOBACCO DUST

2 lb. pkg. 35c; 10 lb. pkg. \$1.00. Cannot be mailed.

WHALE OIL SOAP

Bar, 15c each; liquid, 8 oz. can, 30c each.



BLACK LEAF 40

The great spray for aphids. Also, used for killing chicken lice. 1 oz. bottle, 35c; 5 oz. bottle, \$1.00; 1 lb. bottle, \$2.25; 2 lb. tin, \$3.35; 5 lb. tin, \$6.25; 10 lb. tin, \$10.75.

B-K DISINFECTANT DISINFECTANT, DEODORANT, CLEANSER Note These Remarkable Qualities

Powerful. By Government Method of test B-K has over ten times greater germ-killing strength than carbolic acid. Much stronger than coal tar disinfectants—much safer.

Safe. B-K contains no poison, acid nor oil.

Clean. B-K is colorless, leaves no stain on floors, walls or utensils. Does not soil animal's hair.

Deodorant. B-K destroys foul odors—leaves no odor of itself.

Cheap to Use. B-K is so strong that much water is used in diluting. One gallon B-K makes 200 to 500 gallons of dilution ready for use according to the purpose.

4-ounce bottles.....	30c	32-ounce bottles.....	\$.90
10-ounce bottles.....	50c	1-gallon jug.....	\$2.00

CARBOLA

The best cold water paint and combined disinfectant. 5 lb. pkg. 90c; 10 lb. pkg. \$1.50.

COOPERS SHEEP DIPPING POWDER

Considered the best of all the sheep dips as it kills all ticks as well as a cure for scab, etc. 6 lb. pkg., \$2.00. Write for prices on large lots.

KEMP BRANDING LIQUID

Used by nearly all the sheep men and considered the best. $\frac{1}{2}$ gal. black, \$1.20; 1 gal. black, \$2.00; $\frac{1}{2}$ gal. red, \$1.25; 1 gal. red, \$2.10.

COOPERS SHEEP WORM CAPSULES

Size 32, adult sheep, box of 50, \$2.50; 33, lambs, box of 50, \$1.90.

COOPERS PINE OIL DISINFECTANT

Spray your barn and chicken houses with this great spray for colds, coughs, roup, etc. 1 qt. can, \$1.00; 1 gal. can, \$2.50.

COOPERS MILK WHITE SHEEP DIP

A very satisfactory dip at a low price. 1 gal. bulk, \$1.15; 5 gal. bulk, \$5.00. Cans extra.

CALF MEAL

We carry the following well known brands. Dairymen now find it profitable to use these milk substitutes. Sunset, Crown, Lilly's and Blatchfords. Market prices.

BERRY HALLOCKS AND CRATES

We handle these supplies in large lots. Market prices.

TREE LABELS

Per hundred, 50c; per thousand, \$3.00.

POT LABELS

Per hundred, 45c; per thousand, \$2.50.

SEMASAN

For treating seeds, bulbs, hot beds, plants, etc. 2 oz. can, 50c; 1 lb. can, \$2.75.

Semasan Bel. For potatoes. 4 oz. can, 50c; 1 lb. can, \$1.75; 5 lb. can, \$8.00.

Semasan, Jr. For corn. 4 oz. can, 50c; 1 lb. can, \$1.75; 5 lb. can, \$8.00.

Cerasan. The best treatment for smut on grain. 1 lb. can, 75c; 5 lb. can, \$3.00; 25 lb. can, \$12.50.

VIO-RAY GLASS

Non-breakable substitute for glass. \$1.05 per sq. yard.

VIO-RAY GLASS CLOTH

A very good grade of glass cloth. 30c per sq. yard. 10 yards or more at 25c per sq. yard. Reduced price by the roll.



Peat Moss is used for many purposes, as a fertilizer, as a poultry house litter. Used in hot beds, used to start bulbs, etc. Comes in two grades, medium and fine. Pkg. 15c; postpaid, 25c; small bale, \$1.25; medium bale, \$1.85; large bale, \$2.25.

BARRELS AND KEGS

We carry a complete stock suitable for meat, fish, cider, vinegar, kraut, etc.

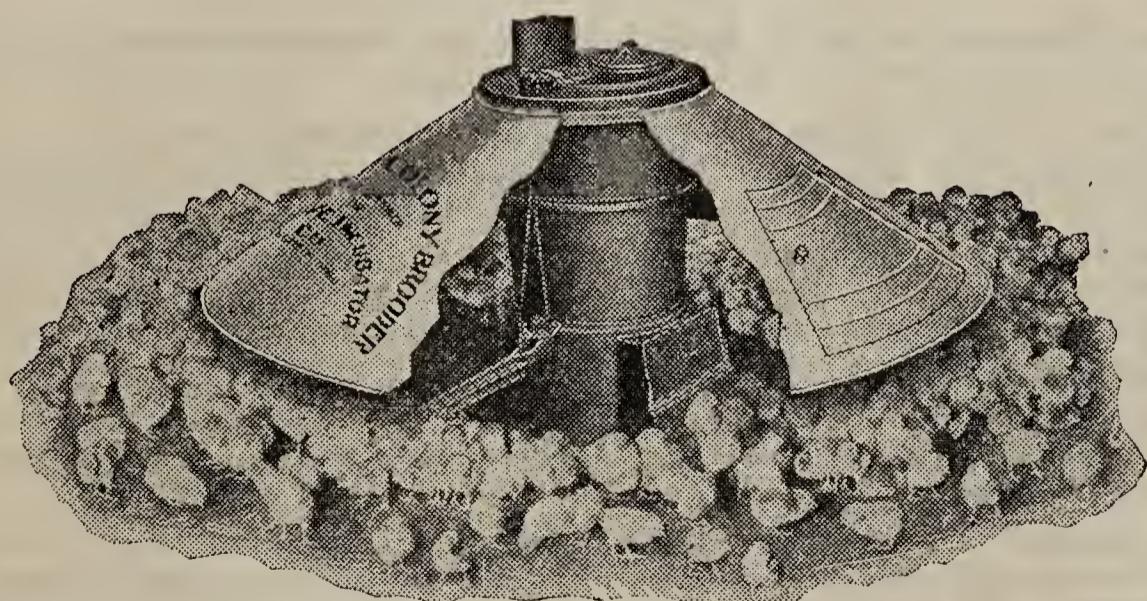
5 gallon keg.....\$1.00	15 gallon keg.....\$1.85	30 gallon barrel.....\$2.75
10 gallon keg.....1.50	20 gallon keg.....2.25	50 gallon barrel.....3.50

OAK KEGS

These are made out of Eastern White Oak and charred. 5 gal. \$2.50; 10 gal. \$3.25; 15 gal. \$4.00.

BUCKEYE BROODERS

In the Buckeye Coal Burning Brooder, you secure the very latest improved brooder manufactured and one that gives satisfaction in every way.



Prices are as follows:

No. 117, 42 inch hover, capacity, 350 chicks, \$17.00.

No. 118, 52 inch hover, capacity, 500 chicks. \$21.00.

No. 119, 56 inch hover, capacity, 1000 chicks, \$26.00.

No. 120, 60 inch hover, capacity, 1200 chicks, \$31.00.

5% cash discount on Buckeye Brooders.



Patented Dec. 11, 1917

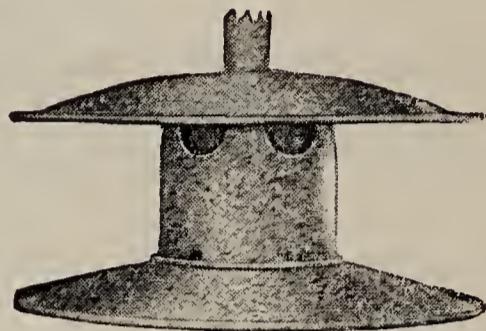
Price of Little Putnam Stove, \$2.00, postpaid.

THE LITTLE PUTNAM STOVE

USES OF THE LITTLE PUTNAM STOVE

Used under the drinking vessels of the poultry house to keep the water from freezing in the coldest winter weather.

Used as the heat element for a Putnam home-made-oat-sprouter.



PUTNAM BROODER HEATER

Easy to make a home-made brooder that will handle 50 to 60 chicks. Fill but once a week. Safe and durable. Free directions how to make your own brooder. Price, only \$4.75, postpaid.

NEST EGGS

Can supply either glass eggs or the solid nest eggs. 35c per dozen.

EGG CRATES

12 dozen size. 75c each with fillers.

EGG CRATE FILLERS

Each contains enough fillers and flats for 12 egg cases. Per case, \$2.50.

POULTRY FOODS

Write for Prices.

Fish Meal. The grade we sell is the best obtainable. It contains nothing but pure fresh fish, properly processed and will not taint the eggs.

Meat Scraps. Are rich in materials which make bone, muscle and lean meat. They insure health, thrift, and vigor and satisfy the natural craving of the bird's system for flesh-food in some form. Rich in protein. Can be fed dry or with cooked rations.

Granulated Bone. We offer only highest quality, pure and clean. Rich in phosphates, lime and protein. Should be kept before your chickens at all times. Feed in a sanitary Shell and Grit Box.

Oyster Shell Crushed. Best Grade pure hard Eastern oyster shell, crushed and sifted. Supplies lime material for egg shells. Does not take the place of grit as some think. Hens must have both shell and grit. Oyster shells should be within reach of your hens at all times.

Grit, Best Grade. Every poultry raiser should keep a supply of this grit in each pen. Baby chicks and ducklings must have it. Made in three sizes, chick, pigeon or broiler, and hen size. We always send hen size unless others are ordered.

Alfalfa Leaves. The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts.

Charcoal. Our stock is prepared especially for poultry and of highest quality obtainable; a preventative of bowel trouble; sour crop and indigestion; a health preserver. State size wanted. A, for mash; B, for chicks; C, for large chickens or hens.

Poultry Pepper. A good tonic and invigorator. Ground. Lb. 30c; postpaid, 40c.

Tobacco for Poultry. We have a special high grade tobacco dust for Worms in Poultry.

2 lb. pkg. 35c; 10 lbs. \$1.00. Cannot be mailed.

Poultry Bone Meal. Made especially for mashes.

Sterilized Bone Flour. This is a very fancy Bone Flour made for animal feeding. Used by Dairymen, Fox Breeders, and in various mixtures of minerals.

COD LIVER OIL

Cod liver oil is becoming a standard feed. We have a high grade oil that has proven one of the very best on the market. It is very essential to get a good oil as a poor oil might cause a lot of trouble.

PREPARED POULTRY FOODS

OUR MIXED FEEDS

We have just installed a large feed mixer and are now prepared to supply all mixed feeds of our own manufacture. **Prices on application.**

If you have a special mixture for any purpose that you prefer, we can mix it for you.

OUR OWN EGG MASH

We are offering a high grade, well proportioned Egg Mash, made from the highest grade materials on the market. We are using nothing but the best of feeds and concentrates and use no cheap fillers of any kind.

In trials made it has given excellent results.

OUR SPECIAL EGG MASH

This is the same mixture as the above Egg Mash with the addition of Dried Milk and Cod Liver Oil. This mash in competition with all the leading mashes on the market has proven the equal and in most cases the superior of any mash it has been tested with.

OUR OWN CHICK MASH

This is the proper mash feed to feed the first three weeks. Manufactured out of the finest of the grains, mill feeds, concentrates, Dried milk and minerals with the proper amount of cod liver oil added.

OUR OWN DEVELOPING MASH

Commence feeding when three weeks old and continue until time to change to the Laying Mash. Contains all the necessary ground grains, mill feeds, dried milk, minerals and cod liver oil. Produces those fine large pullets that make good layers.

OUR OWN BABY CHICK SCRATCH FEED

A well balanced feed of the proper grains to feed baby chicks. All recleaned and free from dust, dirt and screenings.

OUR OWN SPECIAL GROWING SCRATCH

After the chick out-grows the baby chick feed, commence with the growing scratch feed and feed until ready for regular scratch feed. Made from first class, recleaned grains.

OUR STANDARD SCRATCH FEED

Manufactured from No. 1, recleaned wheat, our special cracked corn and fancy recleaned grey oats, properly blended to make a good scratch feed at a reasonable price.

PIGEON FEED

A special mixture made especially for pigeons that has proven very good.

RABBIT FEED

Carry several well known brands of Rabbit Feed as well as cut alfalfa, Process Rolled Barley, Rolled oats, Alfalfa Hay, etc.

OUR OWN DAIRY FEED

Many dairymen prefer to buy a prepared dairy feed when they know they can get an article that is made right and will produce the best results.

We have a prepared dairy feed that has given fine results. It is a proper mixture of ground grains, mill feeds and concentrates to produce milk and cream and still keep the animal in good shape. Buying in large lots we are able to make a close price.

POULTRY AND STOCK FOODS AND REMEDIES

DR. HESS LINE

Stock Tonic. 5 lb. pkg. 85c; 15 lb. pkg. \$2.25; 25 lb. pkg. \$3.50; 100 lb. drum, \$12.00. Poultry Pan-a-min. 3 lb. pkg. 65c; 7 lb. pkg. \$1.25; 15 lb. pkg. \$2.25; 25 lb. pkg. \$3.50; 100 lb. drum, \$12.00.

Hog Special. 15 lb. pkg. \$2.25; 25 lb. pkg. \$3.50; 100 lb. drum, \$12.00.

Poultry Tablets (for roup). Small pkg. 50c; large pkg. \$1.00.

Instant Louse Killer. Powder. 1 lb. pkg. 30c; 2½ lb. pkg. 60c.

Chick Tablets (for Diarrhoea). Small pkg. 50c; large pkg. \$1.00.

Poultry Ver-mi-trol or Worm Powder. 4 lb. pkg. \$1.50; 10 lb. pkg. \$3.25; 25 lb. pkg. \$7.50.

Dip and Disinfectant. 12 oz. bottle, 50c; qt. can, 75c; ½gal. can, \$1.25; 1 gal. can, \$2.00.

Antiseptic Powder. 4 oz. can, 25c; 10 oz. can, 50c.

LEE'S POULTRY AND STOCK REMEDIES

The line of remedies manufactured by the Geo. H. Lee Co. are one of the most reliable lines sold on the market. They have built up a wonderful trade that is increasing each year until now it is one of the largest concerns of its kind. We surely can recommend the following items. Send for their book. Free.

Lee's Germozone. 4 oz. bottle, 40c; 12 oz. bottle, 75c; 32 oz. bottle, \$1.50; ½gallon bottle, \$2.50; 1 gallon bottle, \$4.50. Postage extra.

Lee's Lice Killer. Qt. can, 60c; ½gallon can, 90c; 1 gallon can, \$1.50; 5 gallon can, \$6.50.

Lee's Louse Powder. 1 lb. can, 30c; 2½ lb. can, 60c; postage extra.

Lee's Vapo-Spray. Colds of poultry and swine. ½gal. \$1.25; 1 gal. \$2.25.

Lee's Gizzard Capsules. This has proven the most successful worm remedy on the market. For Round Worms, Tape Worms, Pin Worms in chickens and turkeys, etc. Doz. 25c; 100 \$1.75; 1000 \$12.00. Also smaller capsule for chickens.

Lee's Flu-Koff. Emulsion for coughs, colds and bronchitis in pigs or hogs. 12 oz bottle, \$1.25; 32 oz. bottle, \$2.25.

EGG SCALES

We handle the following reliable egg scales.

E. Z. Weighs standards only. 60c; postpaid, 70c.

Champion. Gives three weights. \$1.75 each; \$1.85 postpaid.

Reliable. Weighs various sizes and very handy. \$3.00 each.

Acme. Liked by many and especially by those who handle hatching eggs. \$2.85 each.

Hart Tru-Way. A new scale that is giving fine results. \$2.50 each.

FLY SPRAYS

Dairy Fly Foil. A good spray that kills 'em. Qt. 60c; half gal. \$1.00; 1 gal. \$1.50.

Korinek Fly Spray. A reliable article. Qt. 60c; gal. \$1.25.

Zist. A good cheap fly spray that knocks 'em. Bulk only, \$1.00 per gal.

CARBOLINEUM

We have the genuine Carbolineum. As a spray or paint to use in poultry houses it is invaluable. Qt. cans, 65c; ½gal. cans, \$1.00; 1 gal. cans, \$1.75.

STOCK AND POULTRY MINERALS

Carry in stock some high grade minerals. It pays to use a good mineral. Prices on application as there are several grades.

BARNES WORM EMULSION

Give your hens a chance by controlling the worms with Barne's Worm Emulsion and they will do their part. Qt. can, \$1.00; postpaid, \$1.10; 1 gal. can, \$3.00; postpaid, \$3.15.

DAIRY ASSOCIATION GOODS

Kow Kare. Small pkg. 65c; postpaid, 75c; large pkg. \$1.25; postpaid, \$1.35.

Bag Balm. Pkg. 60c; postpaid, 70c.

Poke Root Compound. Pkg. 65c; postpaid, 75c.

QUICK RELIEF FOR COWS

This is a great remedy for cows with sore or caked bags and acts very quickly. Can, \$1.25.

AVICOL

Tablets for White Diarrhoea in chicks and Black Head in Turkeys. Pkg. 50c and \$1.00.

DON SUNG

Tablets for making hens lay, tonic and conditioner. Pkg. 50c and \$1.00.

GROUP-OVER

Liquid for Roup, colds, canker, etc. Bottle, 50c and \$1.00.

CHICK FOUNTAINS AND FEEDERS

MOE'S DOUBLE FEEDING TROUGHS

Double trough, with sliding top, easily filled and cleaned. Accurately stamped with dies
No rough edges. No. 60, length 24 in., each 50c; No. 76, 36 in., 70c.

MOE'S BABY CHICK FEEDERS

A great feed saver, and can also be used for water or milk. Accurately stamped with dies.
Top fits snugly, yet is easily taken off for filling and cleaning. No. 12, diam. 8 in.
with 12 holes, each 25c.

BOTTOM FILL FOUNTAIN

The round taper shape prevents damage from freezing. Made in two pieces accurately
formed. Easily filled and cleaned. No. 19, 1 quart, each 25c; No. 24, 1 gallon,
each 50c.

MOE'S GRIT AND SHELL BOXES

Economical and practical for feeding grit, shells, etc. No. 9, three compartments, each
85c; No. 10, four compartments, each \$1.20.

MOE'S LARGE CAPACITY FEEDER

A fine feeder for growing stock, and a great time and labor saver. Has a total of 54 feeder
holes. Sliding top, easy to fill and clean. Capacity 17 quarts; length 35 inches. No.
141 Moe's Chick Feeder, each \$1.70.

MOE'S DRY MASH HOPPERS

A strictly high quality hopper, properly designed. The curved bottom keeps the feed in
easy reach, and the taper shape of the hopper prevents the feed from clogging. Height
19 inches. No. 36, width 12 in. each \$2.10; No. 13, width 18 in., each \$2.35.

WALL FOUNTAIN

No. 74. A large size, five gallons, easy to fill and nothing to get out of order. Each, \$2.00.

ROUND JAR FOUNTAINS

Made from rust resisting metal. Uses any size Mason jar. Each, 10c.

BUTTERMILK FEEDERS

Made from a special heavy tin. No. 138, 20 inch, each, 40c.

AUTOMATIC POULTRY FOUNTAIN

A very convenient way of watering poultry. Price, \$1.00 each, \$1.10 postpaid.

Gem Chick Fountains. No. 158, 1 gal. 65c; No. 159, 2 gal. 90c.

Top-Fill Cleanable Fountains. No. 34, 4 gal. \$3.00.

EGG TESTERS

For Lamp, 50c; postpaid, 60c.

For Electricity, No. 1, \$5.00 each.

RAFFIA

We carry a high grade Raffia suitable for making various items, like baskets, etc. Also, used by gardeners for tying up fresh vegetables instead of twine. Lb. 40c; postpaid, 50c.

CARBIDE

For home lighting plants. 100 lb. drum, \$6.50 each.

HAND SEEDERS AND CULTIVATORS

Horn. This is one of the most popular seeders for clovers, timothy and other small seeds. Price, each, \$1.00.

Cyclone. This is a larger seeder and can be used for grains as well as all small seeds. Price, each, \$2.50.

GARDEN CULTIVATOR

We have a good high grade hand plow and cultivator that is very convenient for garden use. Complete with all necessary attachments. Price, \$4.00.

CORN PLANTERS

Acme. A two-handed planter; strong and durable. Price, \$1.35.

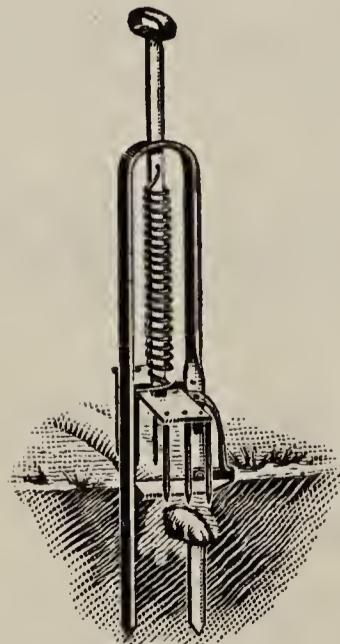
Segment. Very accurate in planting. Price, \$2.25.

POTATO PLANTERS

The most convenient type with the long tubular drop style. Price, each, \$1.85.

FERTILIZER SPREADER

This is a very handy spreader, fast and convenient to use. Each, \$1.25; postpaid, \$1.35.



TRAPS

Reddick Mole Traps. The best trap for catching moles on the market. Each, \$1.00; postpaid, \$1.15.

The Cinch Gopher Trap. The only safe and successful device for catching this pest. No dangerous gun; no ammunition. Easy to operate and when set properly is a "cinch" sure enough. Any boy can clean the ranch with them. Will also catch moles, rats, etc. Sold several hundred of these traps the past season and they all gave fine satisfaction. Guaranteed to do the work or money back. Price, 50c; postpaid, 60c. State whether for moles or gophers when ordering.

Out o'sight Mole Trap. One of the best. Sure to "get them." Price, \$1.25; postpaid, \$1.35.

Macabee Traps. A small trap that many have great success in catching moles and gophers with. Price, 25c; postpaid, 30c; large size, 30c; postpaid, 35c.

GOPHER GUNS

For the positive destruction of Gophers, Moles, Squirrels, Rats and other burrowing pests. This is a new gun that shoots a 38 BLANK cartridge shell and is safe and simple to use. Keep the gun clean and it will last a life time. Price, \$1.75; postpaid, \$1.85. Blank Shells, doz. 25c. Cannot be sent by mail

DOG AND FOX FOODS AND REMEDIES

Write for Prices.

Imperial Fox Products. Fed by many of the Fox and Dog fanciers. A very satisfactory feed.

Champion Fox Foods. A high grade feed that gives good results.

Spratt's. Their Dog Biscuits are known the world over as it is possibly used more than any other brand.

SERGEANTS REMEDIES

Considered one of the best lines on the market.

Skip Flea Powder. Pkg. 25c.

Skip Flea Soap. Pkg. 25c.

Tapeworm Remedy. Pkg. 60c.

Puppy Worm Capsules. Pkg. 60c.

Sure Shop Worm Capsules. Pkg. 60c.

Mange Medicine. Pkg. 65c.

Send for Sergeants Dog Book, it's free.

Add postage if wanted by mail, 5 cents per pkg.

Pulvex. This is the highest grade flea powder that we have been able to obtain. 2 oz. pkg. 50c; postpaid, 55c; 12 oz. \$1.25; postpaid, \$1.35; 5 lb. pkg. \$6.00, postpaid, \$6.15.

BIRD SEEDS AND SUPPLIES

Seeds are all recleaned and first class quality. Can supply Canary, Hemp, Millet, and Bird Rape.

Roller Bird Seed	Pkg. 25c; postpaid, 35c.
Canary	Lb. 15c; postpaid, 25c.
Hemp	Lb. 15c; postpaid, 25c.
Bird Rape	Lb. 15c; postpaid, 25c.
Millett	Lb. 15c; postpaid, 25c.
Sunflower	Lb. 15c; postpaid, 25c.
Bird Gravel	Pkg. 15c; postpaid, 25c.
Bird Manna	Pkg. 15c; postpaid, 20c.
Cuttie Bone, large pieces , oz. 10c,	postpaid.

VARMINT POISONS

Squirrel Poison. We handle a reliable brand of squirrel poison that does the work. Can, 50c. Cannot be sent by mail.

Gas Cartridges. Kills the Gophers, Moles, Rats and Squirrels; easy to handle, safe and sure to kill. 5c each; doz. 50c. Cannot be sent by mail.

Rat Nip. The best rat poison on the market; sure to kill. Tube, 35c. Cannot be sent by mail.

Gopher Scent. A prepared grain poison that kills Gophers, Squirrels, Moles, etc., but is harmless to other animals and poultry. 35c and 50c pkgs. Cannot be sent by mail.

Rat Scent. Similar to the above but made especially for Rats and Mice. Also, harmless to other animals and poultry. **35c and 50c pkgs.** **Cannot be sent by mail.**

Peerless Gopher Killer. For exterminating gophers, moles and all burrowing animals. This is a liquid that when put in the burrow forms a heavy gas that penetrates through the runway and kills the animal. It has proven very successful. **Qt. can, 75c.** **Cannot be mailed.**

Topzol. Kills rats only. Not a poison. Recommended by the U. S. government as the best of all the rat killers. **Price, per can, by mail, 50c.**

American Mole Poison. This is a prepared fruit paste poison mixture that attracts the mole. The only mixture we have handled that they really eat. **Small can, 50c; large can, \$1.00.** **Cannot be mailed.**

CALCIUM CYANIDE

Calcium Cyanide or Cyan o gas. Calcium Cyanide is endorsed and recommended by Federal, State and County Rodent Experts for control of squirrels, gophers, moles, etc. Safe to use. It may be stored and handled with ease and safety. It is non-explosive and non-inflammable and will not deteriorate in strength if kept in the air tight cans. The results our customers have had in the last year from the use of this gas have been the best of all the different poisons on the market and proven very satisfactory. **Prices, $\frac{1}{2}$ lb. can, 50c; 1 lb. can, 75c; 5 lb. can, \$2.50; 25 lb. can, \$7.50.** **Must be sent by express or freight.** **Cannot be mailed.**

HAND SPRAYERS

Household size, Tin, 35c each. Postpaid, 45c each.

Large Size, 45c each; postpaid, 55c each.

Aspinwall type, 50c each; postpaid, 60c each.

Glass jar type, 75c each; postpaid, 85c each.

Double Acting Sprayer, No. 5. For spraying cherry trees with poison spray, shrubbery, chicken houses, white washing, washing autos, fire fighting, etc. **\$4.00 each; postpaid \$4.25 each.** **Tank extra, \$3.00 each.**

Compressed Air Sprayer. A well made durable sprayer. **\$5.50.**

Hand Dusters. Small, 60c each; postpaid, 70c.

Crystal Hand Dusters, \$1.25 each; postpaid, \$1.35.

Knapsack Dusters. A large duster, suitable for dusting orchards and large plantings of vegetables. **\$16.00 each.**

WALKO POULTRY REMEDIES

WALKO POULTRY TABLETS

This poultry remedy is very popular. Used in the drinking water for the prevention and cure of roup, colds, bowel trouble, etc.

Especially adapted for baby chicks.

Small pkg. 50c, postpaid; medium pkg. \$1.00, postpaid; large pkg. \$2.50, postpaid.

WALKO SPECIAL LICE POWDER

Extra Quality. **50c size; postpaid, 60c.**

Flower Pots

We usually have in stock a complete stock of
all the various sizes of Flower Pots, Bulb Pots
Hanging Baskets, etc.



Prices are as follows, on Flower Pots and Bulb Pots:

FLOWER POTS			SAUCERS		
2 inch, each	\$.02	doz. \$.20	4 inch, each	4c	doz. \$. 40
3 inch	.03	doz. .30	5 inch	5c	doz. .50
4 inch	.05	doz. .50	6 inch	8c	doz. .85
5 inch	.08	doz. .85	7 inch	10c	doz. 1.00
6 inch	.12	doz. 1.25	8 inch	15c	doz. 1.50
7 inch	.20	doz. 2.00	9 inch	20c	doz. 2.00
8 inch	.25	doz. 2.50	10 inch	25c	doz. 2.50
9 inch	.45	doz. 5.00	12 inch	35c	doz. 3.50
10 inch	.70	doz. 7.50			
12 inch	1.00	doz. 10.00			

Wire Hanging Baskets, 25c; postpaid, 35c.

Clay Hanging Baskets, 8 inch, with wire hanger, 50c each.

Clay Hanging Baskets, 10 inch, with wire hanger, 90c each.

Clay Hanging Baskets, 12 inch, with wire hanger, \$1.25 each.



Rabbit Dishes

Rabbit Feeders, 6 inch, 15c each; 8 inch, 25c each.

Rabbit Watering Dishes, 6 inch, 15c each; 8 inch, 25c each.



Poultry Stone Fountains

Half Gallon, 45c

1 gallon, 65c each



Enjoy Better Lawns, Flowers and Gardens by using VIGORO

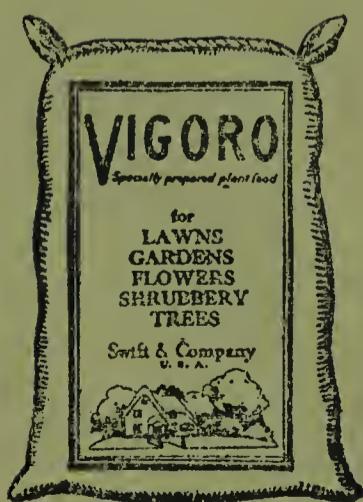
There is no secret in having a velvety lawn, colorful flowers, crisp, succulent vegetables, luxuriant shrubbery, and stately trees.

You can enjoy these beauties of nature if you use good seed, plants, bulbs, and the right plantfood. The right plantfood is important because plants must be fed the same as human beings.

VIGORO provides an economical, practical, and effective way to secure finest results. Economical because the cost is only 10c to 20c for every 100 square feet. Practical because it is clean, odorless, easy to apply—can be sown by hand like grass seed or applied with an ordinary kitchen colander. Effective because it contains all of the elements of plantfood required to produce early, vigorous growth, and bring fruit, flowers and foliage to full development.

Complete directions in every bag.

Clean, Odorless, Easy to Apply



VIGORO

Specially prepared plant food

100-lb. bag.....	\$6.00
50-lb. bag.....	3.75
25-lb. bag.....	2.00
5-lb. pkg.....	.60

A Swift & Company Product

